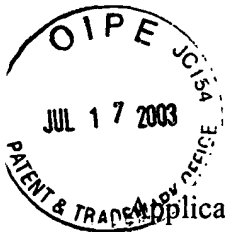


1653



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Aleksey G. Kazantsev *et al.* Art Unit : 1653  
Serial No. : 09/933,638 Examiner : Hope Robinson  
Filed : August 20, 2001  
Title : INHIBITION OF PROTEIN-PROTEIN INTERACTION

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Applicants submit the references listed on the attached form PTO-1449, copies of which are enclosed.

This statement is being filed before the receipt of a first Office action on the merits. No fees are believed due. If there are any fees, or any credits, please apply them to Deposit Account No. 06-1050.

Respectfully submitted,

Date:

July 15, 2003

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Substitute Form PTO-1449  
(Modified)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
01997-289001Application No.  
09/933,638**Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

Applicant  
Aleksey G. Kazantsev et al.Filing Date  
August 20, 2001

Group Art Unit

(37 CFR § 1.98(b))

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**U.S. Patent Documents**

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6,015,555	01/18/2000	Friden			
	AB	5,994,392	11/30/1999	Shashoua			
	AC	5,328,470	07/12/1994	Nabel <i>et al.</i>			
	AD	5,144,011	09/01/1992	Shen <i>et al.</i>			

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AE							

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AF	Ambrose <i>et al.</i> , "Structure and Expression of the Huntington's Disease Gene: Evidence against Simple Inactivation Due to an Expanded CAG Repeat", <i>Somatic Cell and Molecular Genetics</i> , 20(1):27-38, 1994
	AG	Bates <i>et al.</i> , "Transgenic Mice in the Study of Polyglutamine Repeat Expansion Diseases", <i>Brain Pathology</i> , 8:699-714, 1998
	AH	Burright <i>et al.</i> , "SCA1 Transgenic Mice: A Model Neurodegeneration Caused by an Expanded CAG Trinucleotide Repeat", <i>Cell</i> , 82:937-948, 1995
	AI	Chen <i>et al.</i> , "Gene Therapy for brain tumors: Regression of experimental gliomas by adenovirus-mediated gene transfer <i>in vivo</i> ", <i>Proc. Natl. Acad. Sci. USA</i> , 91:3054-3057, 1994
	AJ	Cruikshank <i>et al.</i> , "A lapidated Anti-Tat Antibody Enters Living Cells and Blocks HIV-1 Viral Replication", <i>Journal of Acquired Immune Deficiency Syndromes and Human Retrovirology</i> , 14:193-203, 1997
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	AM	Duyao <i>et al.</i> , "Inactivation of the Mouse Huntington's Disease Gene Homolog <i>Hdh</i> ", <i>Science</i> , 269:407-410, 1995
	AN	Gatter <i>et al.</i> , "Transferrin receptors in human tissues: their distribution and possible clinical relevance", <i>J. Clin. Pathol.</i> , 36:539-545, 1983
	AO	Gavilondo-Cowley <i>et al.</i> , "Specific Amplification of Rearranged Immunoglobulin Variable Region Genes from Mouse Hybridoma Cells", <i>Hybridoma</i> , 9(5):407-417, 1990
	AP	Goldstein and Betz, "The Blood-Brain Barrier", <i>Scientific American</i> , pp. 74-83, 1986
	AQ	Groves and Barford, "Topological characteristics of helical repeat proteins", <i>Current Opinion in Structural Biology</i> , 9(3):383-389, 1999

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

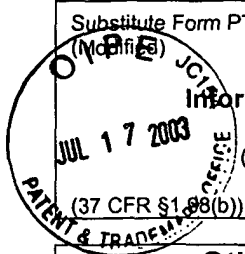
Substitute Form PTO-1449 (Modified) JUL 17 2003 PATENT & TRADEMARK OFFICE (37 CFR § 1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 01997-289001	Application No. 09/933,638
<b>Information Disclosure Statement          by Applicant</b> (Use several sheets if necessary)		Applicant Aleksey G. Kazantsev et al.	
		Filing Date August 20, 2001	Group Art Unit JUL 18 2003 TECH CENTER 1600/2900

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AR	Gutekunst <i>et al.</i> , "Nuclear and Neuropil Aggregates in Huntington's Disease: Relationship to Neuropathology", <i>The Journal of Neuroscience</i> , <u>19</u> (7):2522-2534, 1999
	AS	Haynes <i>et al.</i> , "Characterization of a Monoclonal Antibody (5E9) that Defines a Human Cell Surface Antigen of Cell Activation", <i>The Journal of Immunology</i> , <u>127</u> (1):347-351, 1981
	AT	Hodgson <i>et al.</i> , "A YAC Mouse Model for Huntington's Disease with Full-Length Mutant Huntingtin, Cytoplasmic Toxicity, and Selective Striatal Neurodegeneration", <i>Neuron</i> , <u>23</u> :181-192, 1999
	AU	Ikeda <i>et al.</i> , "Expanded polyglutamine in the Machado-Joseph disease protein induces cell death <i>in vitro</i> and <i>in vivo</i> ", <i>Nature Genetics</i> , <u>13</u> :196-202, 1996
	AV	Jenkins <i>et al.</i> , "Structure and Evolution of Parallel $\beta$ -Helix Proteins", <i>Journal of Structural Biology</i> , <u>122</u> :236-246, 1998
	AW	Kakizuka, A, "Protein precipitation: a common etiology in neuro-degenerative disorders", <i>Trends in Genetics</i> , <u>14</u> (10):396-402, 1998
	AX	Kazantsev <i>et al.</i> , "Insoluble detergent-resistant aggregates form between pathological and nonpathological lengths of polyglutamine in mammalian cells", <i>Proc. Natl. Acad. Sci. USA</i> , <u>96</u> :11404-11409, 1999
	AY	Klement <i>et al.</i> , "Ataxin-1 Nuclear Localization and Aggregation: Role in Polyglutamine-Induced Disease in <i>SCA1</i> Transgenic Mice", <i>Cell</i> , <u>95</u> :41-53, 1998
	AZ	Larrick <i>et al.</i> , "Polymerase chain reaction using mixed primers: cloning of human monoclonal antibody variable region genes from single hybridoma cells", <i>Bio/Technology</i> , <u>7</u> :934-938, 1989
	BA	Lebman <i>et al.</i> , "A Monoclonal Antibody that Detects Expression of Transferrin Receptor in Human Erythroid Precursor Cells", <i>Blood</i> , <u>59</u> (3):671-678, 1982
	BB	Li <i>et al.</i> , "Ultrastructural localization and progressive formation of neuropil aggregates in Huntington's disease transgenic mice", <i>Human Molecular Genetics</i> , <u>8</u> (7):1227-1236, 1999
	BC	Mangiarini <i>et al.</i> , "Exon 1 of the HD Gene with an Expanded CAG Repeat is Sufficient to Cause a Progressive Neurological Phenotype in Transgenic Mice", <i>Cell</i> , <u>87</u> (1):493-506, 1996
	BD	Omary <i>et al.</i> , "Human cell-surface glycoprotein with unusual properties", <i>Nature</i> , <u>286</u> (5776):888-891, 1980
	BE	Orlandi <i>et al.</i> , "Cloning immunoglobulin variable domains for expression by the polymerase chain reaction", <i>Proc. Natl. Acad. Sci. USA</i> , <u>86</u> :3833-3837, 1989
	BF	Pantoliano <i>et al.</i> , "Conformational Stability, Folding, and Ligand-Binding Affinity of Single-Chain Fv Immunoglobulin Fragments Expressed in <i>Escherichia coli</i> ", <i>Biochemistry</i> , <u>30</u> :10117-10125, 1997
	BG	Pardridge, WM, "Receptor-Mediated Peptide Transport through the Blood-Brain Barrier", <i>Endocrine Reviews</i> , <u>7</u> (3):314-330, 1986
	BH	Paulson, HL, "Human Genetics'99: Trinucleotide Repeats", <i>Am. J. Hum. Genet.</i> , <u>64</u> :339-345, 1999
	BI	Perutz, MF, "Glutamine repeats and neurodegenerative diseases: molecular aspects", <i>Trends in Biochemical Sciences</i> , <u>24</u> :58-63, 1999
	BJ	Reddy <i>et al.</i> , "Recent advances in understanding the pathogenesis of Huntington's disease", <i>Trends in Neurosci.</i> , <u>22</u> (6):248-255, 1999
	BK	Robinson and Sauer, "Optimizing the stability of single-chain proteins by linker length and composition mutagenesis". <i>Proc. Natl. Acad. Sci. USA</i> , <u>95</u> :5929-5934, 1998

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EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 01997-289001	Application No. 09/933,638
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)		Applicant Aleksy G. Kazantsev et al.	
		Filing Date August 20, 2001	Group Art Unit



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**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	BL	Ross, CA, "Intranuclear Neuronal Inclusions: A Common Pathogenic Mechanism for Glutamin-Repeat Neurodegenerative Diseases", <i>Neuron</i> , <u>19</u> :1147-1150, 1997
	BM	Saudou <i>et al.</i> , "Huntingtin Acts in the Nucleus to Induce Apoptosis but Death Does Not Correlate with the Formation of Intranuclear Inclusions", <i>Cell</i> , <u>95</u> :55-66, 1998
	BN	Scherzinger <i>et al.</i> , "Self-assembly of polyglutamine-containing huntingtin fragments into amyloid-like fibrils: Implications for Huntington's disease pathology", <i>Proc. Natl. Acad. Sci. USA</i> , <u>96</u> :4604-4609, 1999
	BO	Sutherland <i>et al.</i> , "Ubiquitous cell-surface glycoprotein on tumor cells is proliferation-associated receptor for transferring", <i>Proc. Natl. Acad. Sci. USA</i> , <u>78</u> (7):4515-4519, 1981
	BP	Zeitlin <i>et al.</i> , "Increased apoptosis and early embryonic lethality in mice nullizygous for the Huntington's disease gene homologue", <i>Nature Genetics</i> , <u>11</u> :155-163, 1995
	BQ	Zhuchenko <i>et al.</i> , "Autosomal dominant cerebellar ataxia (SCA6) associated with small polyglutamine expansions in the $\alpha_{1A}$ -voltage-dependent calcium channel", <i>Nature Genetics</i> , <u>15</u> :62-69, 1997
	BR	

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